

FIG. 1

24 → time stamp data Flow activity records

start time	end time or duration	Flow descriptor	Service identifier	Service provisioned
t_1		fd_1	SI_{1i}, SI_{1e}	SP_{1i}, SP_{1e}
t_2		fd_2	SI_{2i}, SI_{2e}	SP_{2i}, SP_{2e}
\vdots		\vdots	\vdots	\vdots
t_n		fd_n	SI_{ni}, SI_{ne}	SP_{ni}, SP_{ne}

FIG. 2

Service resource allocation audit (dynamic service network)
time stamp data

start time or duration	Service identifier	Service provisioned
t_1	SI_1 SI_{12} \vdots SI_n	SP_1 SP_2 \vdots SP_n
t_2	SI_1 SI_2 \vdots SI_n	SP_1 SP_2 \vdots SP_n
t_3	SI_1 SI_2 \vdots SI_n	SP_1 SP_2 \vdots SP_n

FIG. 3
(PRIOR ART)

Configuration File
(non-dynamic service network)

Service identifier	Service provisioned
i_1	SP_1
i_2	SP_2
\vdots	\vdots
i_n	SP_n

FIG. 4 (PRIOR ART)

Fig. 5 is a flowchart illustrating a process for identifying ingress and egress flow activity records that correspond to each other.

OPTIONAL

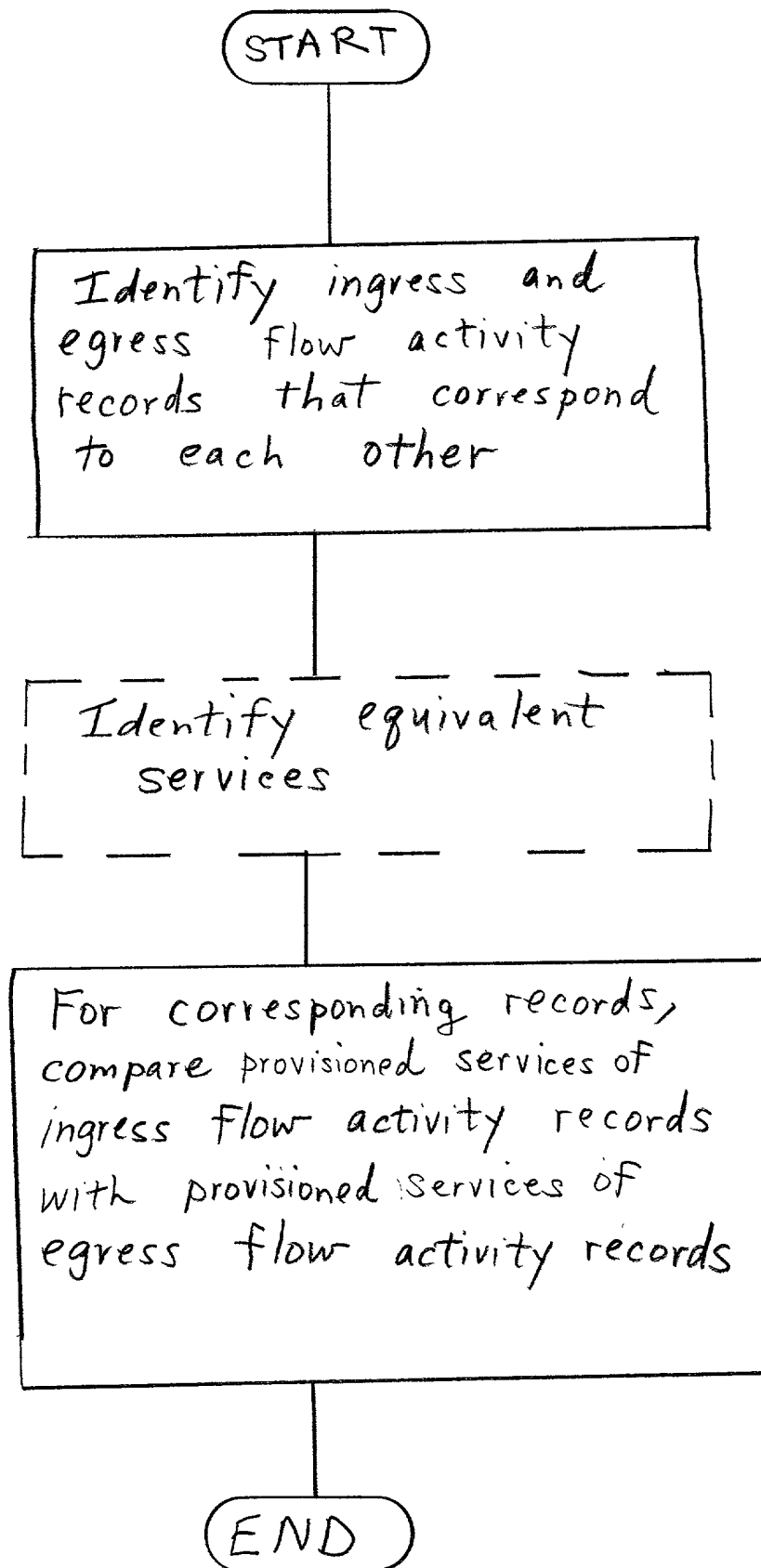


FIG. 5

40

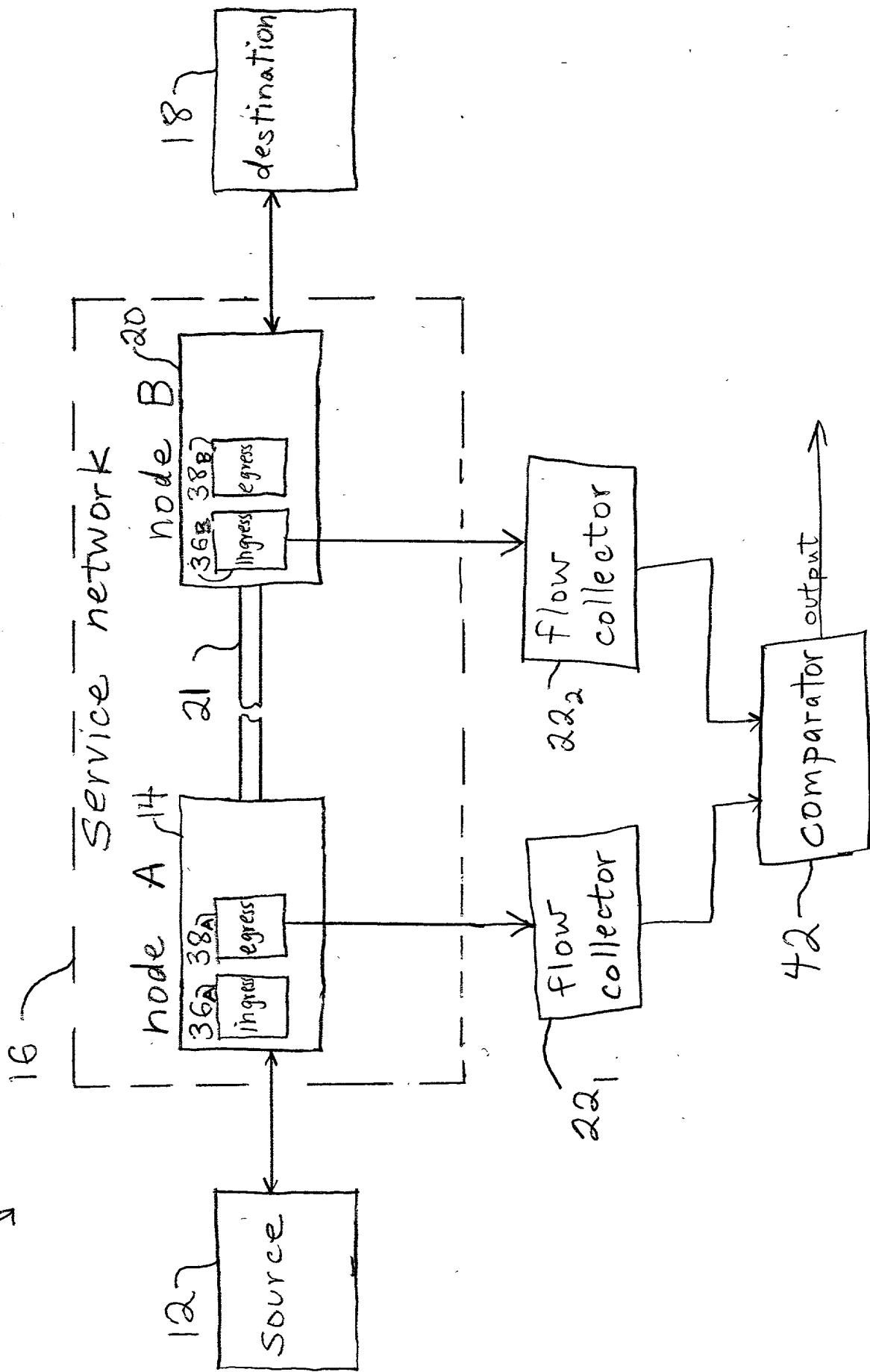


FIG. 6

Flow activity records

Time stamp		Flow descriptor	Service label	Service provisioned
start time	end time or duration			
t_1		fd_1	SL_1	SP_1
t_2		fd_2	SL_2	SP_2
\vdots		\vdots	\vdots	\vdots
t_n		fd_n	SL_n	SP_n

FIG. 7

service label file of lookup facility

service label	service provisioned
SL_1	SP_1
SL_2	SP_2
\vdots	\vdots
SL_n	SP_n

FIG. 8

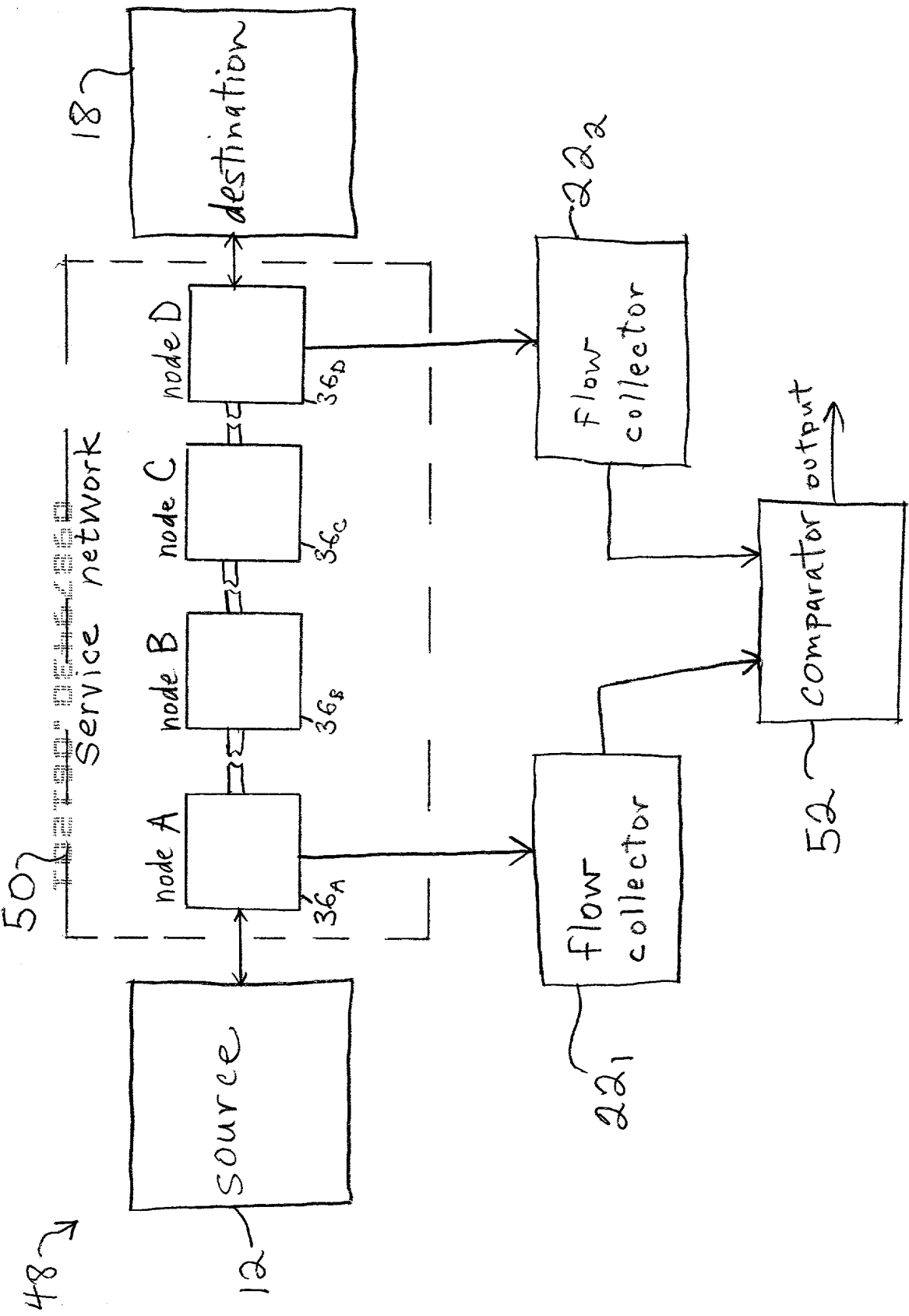


FIG. 9

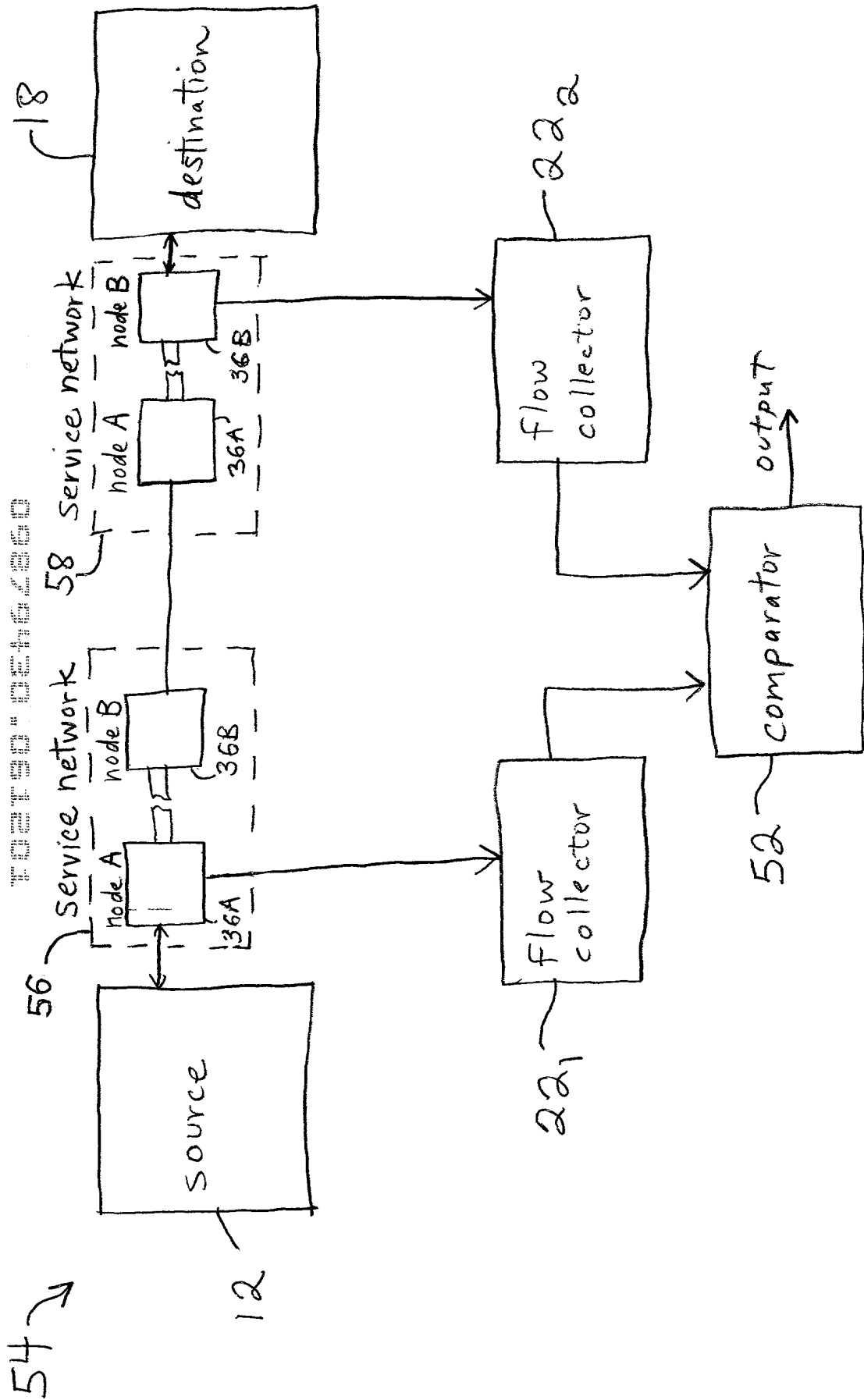


FIG. 10

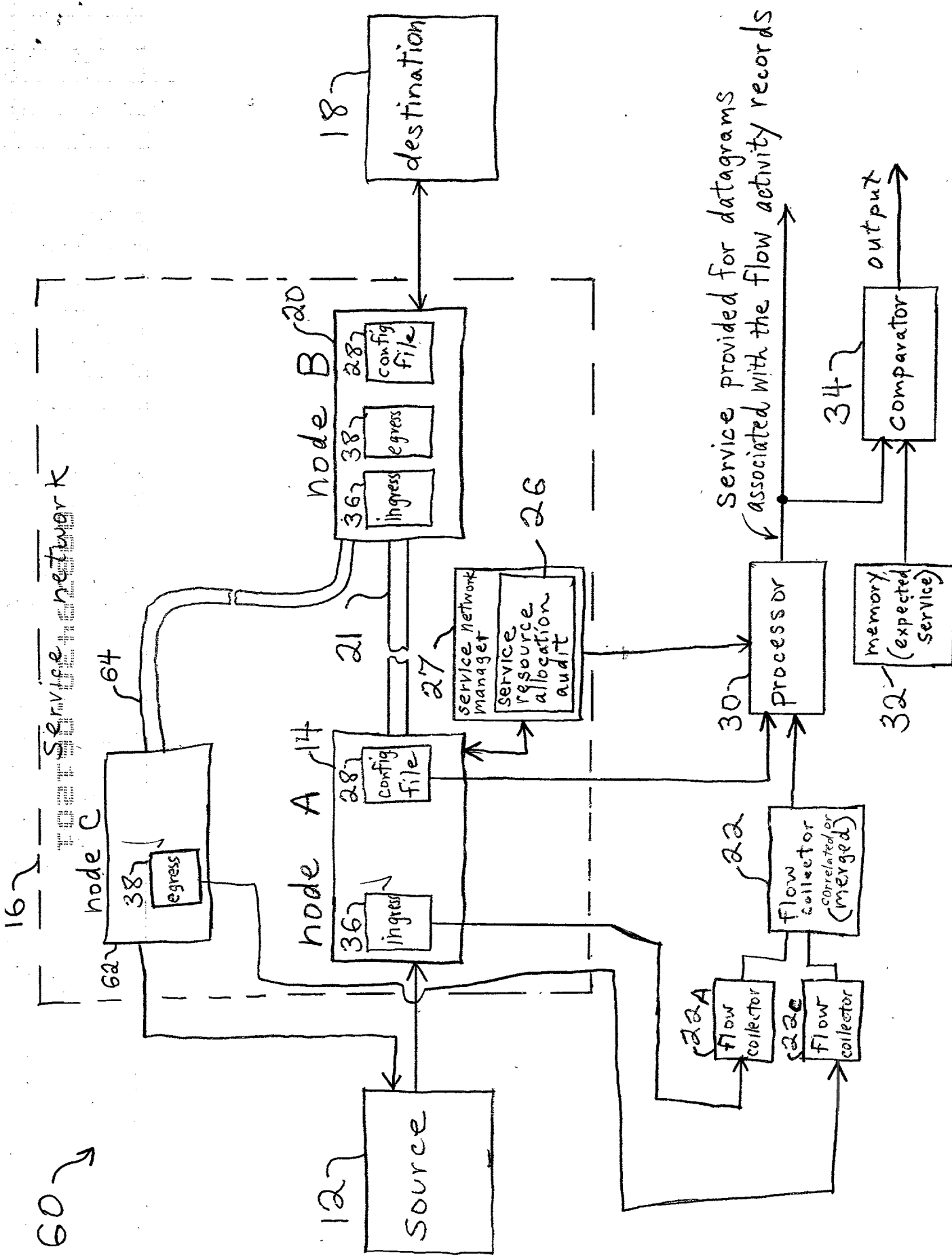


FIG. 11